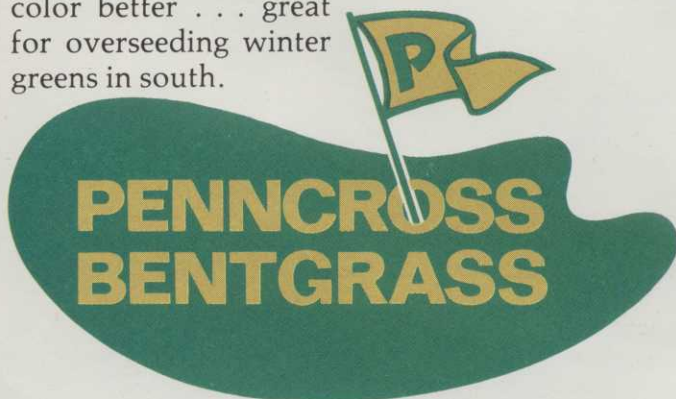


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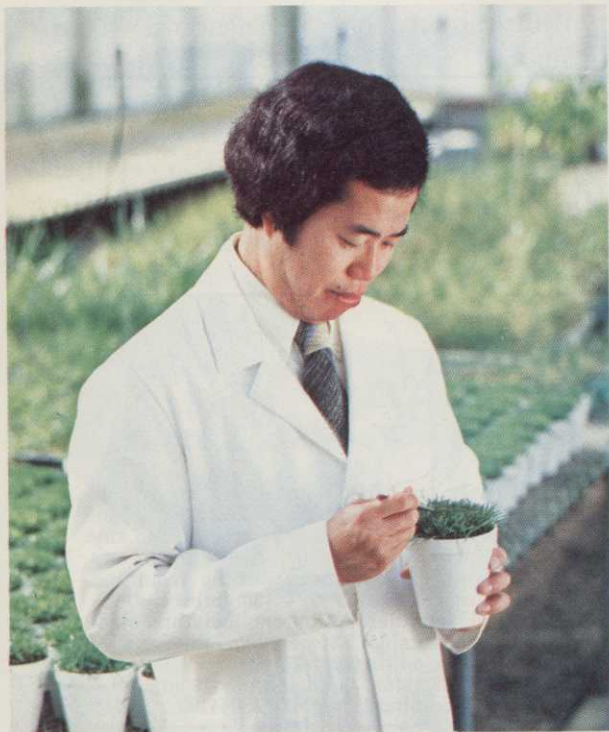


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FRONT COVER: A simple, short routine can erase worries about your irrigation system and prevent coming to work to the bottom scene. Photos courtesy of Dan Jones, Superintendent, Banyan CC, Miami Beach, Florida.

Second of a series

**“Here are
five important
advantages of
granular
fungicides
the bag
won’t
tell you...”**



**Dr. Milton Kageyama
Program Mgr.,
Chemical Development**

1 Product flexibility

“Whatever your fungicide needs, chances are Scotts has the products to answer them. You can choose from a selection of straight fungicides or from products that combine fungicides and fertilizers for both feeding and prevention/control.

“With such built-in adaptability, you can design an exact turfcare program for your course.”

Straight Fungicides	Fertilizer/Fungicide Combinations	Active Ingredient(s)
Systemic Fungicide	H.D. Fertilizer Plus DSB Fungicide	Topsin-M
Broad Spectrum Fungicide	Fertilizer Plus Fungicide	Thiram & PMA
101V Broad Spectrum Fungicide	Fertilizer Plus 101 Broad Spectrum Fungicide	Daconil
None	FFII	PCNB
Fungicide II	None	Chloroneb
Fungicide III	None	Dyrene
Fungicide VI	None	RP26019

hundreds of dollars each year. “Although granular fungicides usually appear to be more expensive than their liquid counterparts, some significant related costs should be considered before a final buying decision is made:

- Cost of equipment
- Gasoline consumption rates
- Water consumption rates
- Costs of equipment repair and maintenance
- Manhours involved in preparation, treatment and cleanup

“Labor costs will vary according to your method, location and equipment used (spray tank, boom, hose, gun, pump and nozzles vs. granular spreaders of various sizes) for application. However, application of granular fungicides requires only one person with nothing more complicated than a spreader. And, in general, granular application requires less time than liquid.

“The bottom line is this: Material costs are only part of the total picture.”

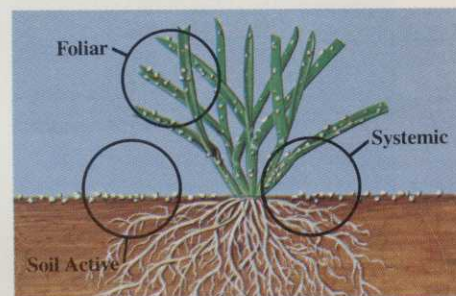
Cost Factors	Application Methods	
	Spray	Granular
Equipment	●	●
Repair & Maintenance	●	●
Material	●	●
Labor	●	●
Water	●	
Gasoline	●	

● costs incurred with specific application method

4 Three-way protection

“The best way to fight disease is to prevent it from ever starting. The active ingredients in Scotts fungicides provide control through one of three modes of action: 1) *Foliar contacts* give moist leaf blades a protective coating to fight against fungi; 2) *Soil-active fungicides* control diseases at ground level by retarding fungal growth in the thatch and soil areas, and, 3) *Systemics* protect the plant from

within as they are absorbed into its system through the roots and foliage.



“No matter how a disease may spread, you can control it or prevent it with a granular fungicide tailored for the particular problem. With that in mind, Scotts is working to give you the most thorough disease defense possible.”

5 Proven performance

“Each product is formulated, tested, reformulated and retested countless times before it goes to market. Not only has it passed the rigid tests at research headquarters, but also those at five other Scotts research stations and many other sites, including golf courses, across the country



... under many different kinds of conditions. All done so you know you'll get the results you want, when you need them.”

Your Scotts Tech Rep has the training and experience to help you maximize the efficiency of your disease control program. Call him today.



2 Improved convenience

“Applying fungicides can be easy or complicated. It all depends on the type of product you use and the time, equipment and manpower you're willing to invest. Ideally, you want a product that requires minimal preparation, is fast and easy to apply and, most of all, effective.

“A granular fungicide requires no mixing . . . just pour it into the spreader, adjust to the proper setting and go. Leftover material won't be a problem . . . simply return it to the bag, with little cleanup or waste. And one man can normally do the job with minimal instruction, in less time than with liquid applications.

“Also, granular fungicides can be applied: 1) when the ground is too soft to support heavy spray equipment; 2) for spot control before a big tournament, and 3) during cold weather when sprays are difficult, if not impossible, to use.”

3 The cost factor

“How much does your present application method cost? It's wise to know. You could be wasting



Clippings

Brief bits of news from in and around the golf business. . .

Nancy Gammon, head professional at Wolf Creek Golf Club and wife of **Hunter Gammon, CGCS**, has been voted Golf Professional of the Year by the Ladies Professional Golf Association. The Gammons are responsible for the entire history of Wolf Creek, a semi-private, 9-hole layout, and Nancy has been instrumental in many of the design changes and supervised construction. She has many achievements to her credit, including directing the local Jaycee Invitational tournament, and has served as Area Representative in the Teaching Division of LPGA since 1968. Nancy recently co-chaired the first National Teaching Division Seminar.



Michael R. Bavier, CGCS, (left), superintendent of Inverness Golf Club in Palatine, Illinois, was elected President of GCSAA at the annual membership

meeting. **James A. Wyllie**, Bayview CC in Thornhill, Ontario, is Vice president. **Eugene Baston, CGCS**, Birmingham (Ala.) CC, and **Riley Stottern, CGCS**, Jeremy Ranch CC in Salt Lake City, were elected directors. Outgoing President **Melvin B. Lucas Jr., CGCS**, Piping Rock Club on Long Island, will serve on the Board of Directors for an additional year.

Ruben Aragon, superintendent at Horizon City CC, was elected president of Rio Bravo Turf and GCSA at their annual meeting. Elected Vice president for the coming year is **Fred Halman**, owner of Valley Earthworm and Compost Company in El Paso. **Thelma Palmer**, President of B and C Turf in El Paso, became the first woman elected to office since the organization formed in 1968. Palmer and **Bill Weaver**, superintendent of Vista Hills CC, were elected to two-year terms as directors. Holdover officers include **Dale Notgrass**, Past president, and **Charlie True**, Secretary/treasurer. Directors completing their terms are: **Frank Felix**, Superintendent of **Ascarate Park GC**, and **Fred Torres**, Grounds superintendent for El Paso Independent School District.

The Michigan Association of Public Golf Courses recently held elections and **Marti Coulman** from Genesee Valley GC in Swartz Creek is claimed to be the first woman president of a state daily fee golf course association. **Charlie Scott**, Gull Lake View in Richland, is the new vice president. **Jack Grossnickle**, Perry GC in Perry, is the secretary/treasurer. Directors are: **Dan Burgess**, **Don Beavers**, **Jeff Hoag**, **Walt Jasiak**, **Pat Bowersock**, and **Walt Tamulis**.

Five superintendents received GCSAA Citations of Performance

during the International Conference. Award winners were: **Joseph Flaherty, CGCS**, Baltusrol GC, Springfield, N.J., for the U.S. Open Championship last June; **Sherwood Moore, CGCS**, Winged Foot GC, Mamaroneck, N.Y., for the inaugural Senior Open last June; **Steve Siebel**, Edgewood Tahoe GC, Stateline, Nevada, for the Amateur Public Links Championship last July; **Douglas Petersan, CGCS**, Prairie Dunes CC, Hutchinson, Kansas, for the Women's Amateur Championship last August, and **Fred Reese**, Virginia Hot Springs Golf and Tennis Club, for the Senior Amateur Championship in September. The awards were presented during the USGA Green Section Conference held in conjunction with the 52nd International Turfgrass Conference and Show.

FBC Chemicals, Inc. is the name of the new company formed to market and distribute products in the United States formerly marketed by Fisons, Inc. of Bedford, Massachusetts, and the Boots Hercules Agrochemicals Co. in Wilmington, Delaware.

The National Golf Foundation's **1981 Golf Operations Handbook** is ready for distribution. The Handbook is a 460-page publication specifically planned for golf course operators and golf facility developers. It includes 35 revised information sheets and 35 new information sheets. The book contains eight major sections on business, the clubhouse, the golf course, golf services, personnel, promotion, research and player development. More information is available from: Mark Boorman, Assistant Director, Information Services, 200 Castlewood Drive, North Palm Beach, FL 33408, or phone 305/844-2500, ext. 212.

The University of Florida **Turfgrass Research Field Day** will be held April 1, 1981 in Ft. Lauderdale. For more information, contact: Dr. Bruce Augustine, University of Florida Agricultural Research Center, 3205 SW 70th Ave., Ft. Lauderdale, FL 33314, or phone 305/475-8990.

The not-so-golden goose who laid the big slippery spot is starting to get his. Dr. Jim Kennelly of the Wildlife Service's Wildlife Health Laboratory in Madison, Wisconsin, is heading an experimental project which involves performing vasectomies on non-migratory geese. The project is strictly experimental, but does offer some alternative to killing the geese or allowing the population to grow. Canadian geese often live 10 or more years in the wild and have three to six offspring per year after reaching three years of age.

Mike O'Connell, Maketewah CC, has been elected president of the Greater Cincinnati chapter of the GCSAA for 1981. **Terry Frey** of the Beckett Ridge CC is the new vice president and **John Hamilton**, Jack Nicklaus Sports Center, is the secretary/treasurer.

1981 officers of the Long Island GCSA are: **Ed Fufaro**, Fresh Meadow CC, President; **Pete Bass**, Hauppauge CC, Vice president; **Richard McGuinness**, Woodmere Club, Inc., Secretary, and **Pete Ruggieri**, Inwood CC, Treasurer. Directors are: **Joe Alonzi**, Huntington Crescent Club, **James McCormick**, Merrick GC, **Jim Manka**, North Hills CC, **Bob Matthews**, Fox Run CC, and **Kay Ovian**, Glen Oaks CC.



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There's yet another bonus. You'll discover that Emerald creeping bentgrass is just possibly the greatest value in the grass seed business today.

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PESTICIDE

Two new phenoxy studies are introduced by NFPA

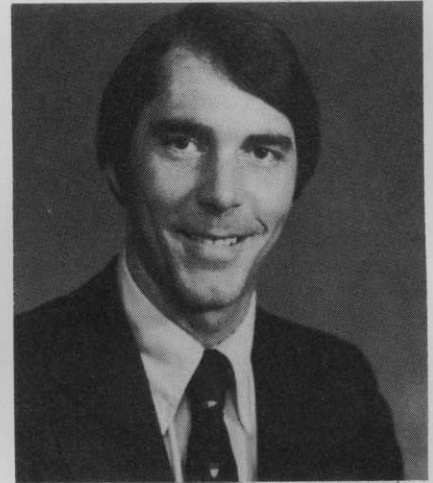
The National Forest Products Association (NFPA) has introduced two new studies, which they believe document the fact that there is little likelihood of significant exposure to 2,4-D and that products with less than 0.1 part per million of dioxin can be used safely. One of the studies, a follow-up to a 2,4,5-T study, broke the study group up into aviators, mixers, loaders and observers who took no special precautions, referred to as the T1 group, and a second which wore disposable overalls and took other precautions. The second group was referred to as T2.

Quoting NFPA: "It appears then that the 500-1000 fold 'worst case' safety margins announced by EPA in Section IV B.3. of its April 22, 1980, 2,4-D Fact Sheet are quite conservative. The Exposure Study clearly demonstrates that actual field applications without extraordinary precautions (i.e. T1) can substantially exceed the 500 to 1000 fold safety margins EPA found adequate in the April 22 document.

Although crew safety factors were substantially improved by the special precautions observed in T2, there seems to be little point in adopting the T2 special precautions in day-to-day field operations since the safety margins in T1 were already substantial.

"Worst case estimates based on 2,4,5-T applicator exposure data collected by Lavy (1978) and independent calculations by a New Zealand group (McQueen, 1977) suggest that there are very substantial safety margins under conditions of proper 2,4,5-T usage. TCDD (dioxin) degrades photochemically in the environment at a fairly rapid rate, which reduces the opportunity for exposure. There is no evidence that TCDD is accumulating in animal tissues nor in vegetation at a rate which would lead to significant human exposure through ingestion.

Meanwhile, EPA has contracted with a company for disposal of about 15,000 to 18,000 tons of dry silvex containing (2,4,5-T) products. These are to be buried in a waste landfill in a rural area of Sumter County, Alabama. The contract was valued at \$2.1 million.



James R. Brooks, GOLF BUSINESS' Associate Publisher, was elected to membership in the **O.J. Noer Research Foundation** during its annual meeting in Anaheim, California. The objectives of the foundation are to promote scientific research in turfgrasses and related fields and to train graduate students by offering financial assistance from donations and endowments. The O.J. Noer Foundation is a not-for-profit, tax-deductible foundation.

REGULATION

FIFRA amendment effect not drastic says EPA

An analysis of the 1980 FIFRA Amendments, which gives Congress veto power, prepared by Robert Wayland III of the EPA Office of Legislation, concludes that there will probably not be a "radical departure" from present agency practice. However, Wayland said, "We must not fail to obtain post hoc Scientific Advisory Panel review of any future emergency suspension."

The amendments now make it mandatory for the Administrator of EPA to submit any action taken to suspend a pesticide to the advisory panel for comment on impact to health and environment. Previously, the Administrator was allowed to waive review by SAP in issuing a cancellation notice if the suspension was based on human health hazards.



Ray McMicken, President of B. Hayman Co., Inc. in Santa Fe Springs, receives the Smithco 'White Hat Award' during the GCSAA International Trade Show for Distributor of the Year in the West from **William Kenney**, Smithco Western Marketing Manager. Eleanor, Ray's wife, is beside him.



Sandy McLaughlin is receiving the Smithco 'White Hat Award' from **Donald H. Smith**, for **Debra Turf Equipment**, Hollywood, Florida, as Distributor of the Year in the East. In the background, from the left, stands **Jud Debra**, **David Debra** and **Mike McLaughlin**.



Orra Surret of the H.B. Carter Co. in Oakland, California, received the Smithco 'Outstanding Salesman of the Year' award.



Mike McLaughlin, shown with his wife Sandy, received the Smithco 'Special Award' recognizing his contributions to the Smithco Hydra-ject Sprayer project.

PRIVATE CLUBS

Labor depart's final rules on private club fees frozen

The Labor Department's final rules setting guidelines for federal contractors who pay employee dues to private clubs with discriminatory membership policies have been frozen by the Reagan administration

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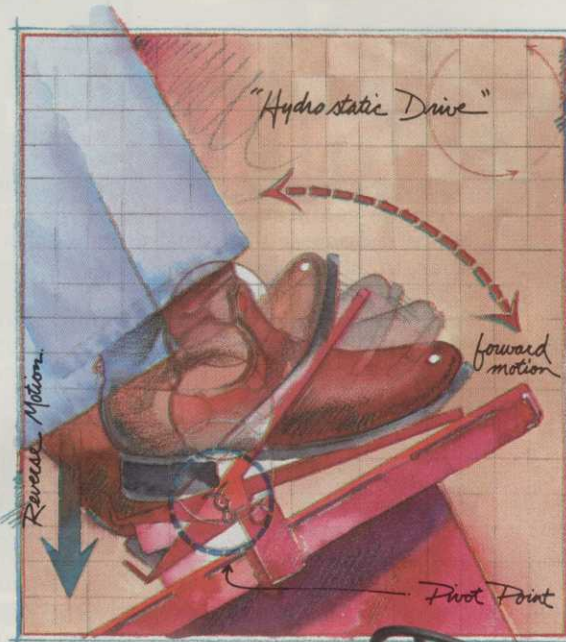
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Publisher's Point

for further study. Assistant Secretary for Employment Standards Donald Elisburg explains that the regulations would eliminate the unfair job advantage which members of discriminatory organizations have over non-members.

Instead of going into effect February 17, as originally scheduled, the regulation will not become effective until at least mid-April. The National Club Association has launched a major campaign to have the regulation withdrawn completely.

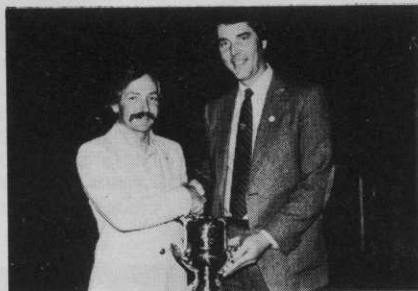
REGULATION

NACA says pesticide regs lack scientific basis

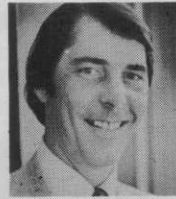
A top spokesman for the agricultural chemicals industry called on federal regulators to begin basing their pesticide policies on scientific rather than political judgments.

In a speech before the 35th Annual Meeting of the Northeastern Weed Science Society, Dr. Jack D. Early, President of the National Agricultural Chemicals Association (NACA), said that the pesticide industry was not adverse to government regulation "as long as the regulators base their decisions on scientific principle instead of political expediency.

"Unfortunately," he added, "in the political setting of the recent past, we have found that the latter supersedes the former more often than not."



Thomas A. Rader, Superintendent at Shoreacres in the Chicago area, receives the GOLF BUSINESS Trophy from James R. Brooks, Associate Publisher (right). Rader had a low gross of 163 to win the Superintendent-Golf Professional flight during GCSAA's annual golf tournament held in conjunction with the 52nd International Turfgrass Conference and Show. The tournament was played at Industry Hills CC in Industry Hills, California.



It was everywhere at the GCSAA Anaheim conference and show. I heard it discussed in registration lines, in exhibit booths, in hotel lobbies, restaurants, and hospitality rooms, on the shuttle bus, at the Golf Business Superintendents Advisory Committee meeting, inside and outside educational sessions . . . the water shortage and anticipated drought for many sections of the country. The expressions of concern and frequent questions seemed like echoes as I moved from one group to another. "How are you coping with the situation?" "How do you plan to conserve and use less water while trying to maintain adequate playing conditions?" "How will your maintenance program be affected?" "What's your plan?" "Have you heard any good ideas from anyone who has come through a drought?"

Opinions were expressed, suggestions were given, past experiences were outlined . . . and then the same questions were tried on another individual or group. Definitive answers are hard to come by. Occasional suggestions of "rain dances" and "prayers" were accepted in the same spirit as they were given; light heartedly.

However, not everyone in the profession had the opportunity to express concern and gather suggestions in Anaheim. Fortunately, there are several local associations and chapter newsletter editors working hard to bring about an exchange of ideas, techniques, and programs that will help all superintendents in their area. I commend the approach that Pat Lucas, editor of Tee To Green

Newsletter (Metropolitan GCSA) has taken. Through the newsletter, Pat is asking all members to share their individual ideas on coping with the serious water shortage. Survey cards printed with "my ideas on coping with less water are:" have been enclosed with the latest newsletter. In turn, these ideas will be published in succeeding issues of Tee To Green.

Golf Business wants to join this collective effort of sharing ideas and suggestions for coping with the serious water shortage, by communicating your ideas nationwide among our 17,000 monthly readers. Commencing with the April issue, Golf Business will devote as much editorial space as necessary to communicate the ideas, suggestions and opinions submitted by you, the readers; whether you be superintendents, distributors, suppliers, educators, associations, etc. Additionally, water management will be a regular editorial topic in Golf Business throughout this critical period. With your individual help and input, Golf Business can put these ideas and suggestions to work on a nationwide basis.

Write or call Ron Morris, Managing Editor, with your ideas and suggestions. Ron's address is: 7500 Old Oak Blvd, Middleburg Hts., OH 44130, phone: 216/243-8100, ext. 370. Don't put it off; others are depending on you.

The distributors' role in turf maintenance will continue, with individual interviews presented in the April issue of GOLF BUSINESS